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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Kubista
Serial No.: 09/673,964
Filed: 19 December 2000
For: Method for Characterizing Samples

Art Unit: 2121

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PRELIMINARY AMENDMENT

Preliminary to the examination of the above-captioned application,
please make the following amendments:

In the specification:

On page 1, before the first paragraph, please insert the following new paragraph:

--This application is a section 371 national phase application of PCT Application

No. PCT/SE98/01468 filed August 14, 1998. --

In the claims:

Please cancel claims 1-14 and add claims 15- 28 as follows:

15. (new) A method for characterizing samples comprising the step of using a monitoring technique to characterize a sample, or pair of samples, such that a multidimensional response is generated according to

$$I(\alpha, \beta, \gamma \dots) = \sum_{i=1}^r c_i I_i(\alpha) I_i(\beta) I_i(\gamma) \dots$$

where the number of data points in each dimension are at least two

$$\alpha_1, \alpha_2 \dots \alpha_l \quad l \geq 2$$

$$\beta_1, \beta_2 \dots \beta_m \quad m \geq 2$$

$$\gamma_1, \gamma_2 \dots \gamma_n \quad n \geq 2$$

Cert. under 37 CFR 1.8 and the 1-dimensional responses of the components, $\tilde{I}_i(\alpha)$, $\tilde{I}_i(\beta)$, $\tilde{I}_i(\gamma)$... are
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